



SIPLUS S7-400 PS 405 10A -25 ... +70 DEGREES C WITH CONFORMAL COATING BASED ON 6ES7405-0KA02-0AA0 . POWER SUPPLY, WIDE RANGE 10A, 24/48/60V DC, 5V/10A DC

Supply voltage

| | |
|-------------------------------------|-------------------------|
| Rated value, 24 V DC | Yes |
| Rated value, 48 V DC | Yes |
| Rated value, 60 V DC | Yes |
| permissible range, lower limit (DC) | 19.2 V ; Dynamic 18.5 V |
| permissible range, upper limit (DC) | 72 V ; dynamic 75.5 V |

Mains buffering

| | |
|---|-------|
| Mains/voltage failure stored energy time | 20 ms |
| Mains buffering according to NAMUR recommendation | Yes |

Input current

| | |
|------------------------|---|
| Rated value at 24 V DC | 4 A |
| Rated value at 48 V DC | 2 A |
| Rated value at 60 V DC | 1.6 A |
| Inrush current, max. | 18 A ; Full width at half maximum 20 ms |

Output voltage

| | |
|----------------------|-----|
| Rated value, 5 V DC | Yes |
| Rated value, 24 V DC | Yes |

Output current

| | |
|----------------------------------|------|
| for backplane bus (5 V DC), max. | 10 A |
|----------------------------------|------|

| | |
|---|---|
| for backplane bus (24 V DC), max. | 1 A ; idling-proof |
| Short-circuit protection | Yes |
| Power | |
| Power consumption, typ. | 95 W |
| Power loss | |
| Power loss, typ. | 20 W |
| Battery | |
| Backup battery | |
| Backup battery | |
| Backup battery (optional) | Yes ; 2 x lithium AA; 3.6 V/2.3 Ah |
| Hardware configuration | |
| Slots | |
| required slots | 2 |
| Galvanic isolation | |
| primary/secondary | Yes |
| Degree and class of protection | |
| Protection class | 1 ; with protective conductor |
| Ambient conditions | |
| Extended ambient conditions | |
| relative to ambient temperature-atmospheric pressure-installation altitude | Tmin ... Tmax at 1080 hPa ... 795 hPa (-1000 m ... +2000 m) // Tmin ... (Tmax - 10K) at 795 hPa ... 658 hPa (+2000 m ... +3500 m) // Tmin ... (Tmax - 20K) at 658 hPa ... 540 hPa (+3500 m ... +5000 m) |
| Relative humidity | |
| with condensation, maximum | 100 % ; Relative humidity, incl. condensation / frost permitted (no commissioning under condensation conditions) |
| Resistance | |
| to biologically active substances/conformity with EN 60721-3-3 | Yes ; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna). The supplied connector covers must remain on the unused interfaces during operation in corrosive atmospheres! |
| to chemically active substances/conformity with EN 60721-3-3 | Yes ; Class 3C4 incl. salt spray according to EN 60068-2-52 (degree of severity 3). The supplied connector covers must remain on the unused interfaces during operation! |
| to mechanically active substances/conformity with EN 60721-3-3 | Yes ; Class 3S4 incl. sand, dust. The supplied connector covers must remain on the unused interfaces during operation! |
| Mechanical and climatic conditions during operation | |
| Climatic conditions in operation | |
| Temperature | |
| min. | -25 °C ; = Tmin |
| max. | 70 °C ; = Tmax |
| Dimensions | |
| Width | 50 mm |

| | |
|------------------------|-------------|
| Height | 290 mm |
| Depth | 217 mm |
| Weights | |
| Weight, approx. | 1.2 kg |
| Status | Jul 9, 2014 |